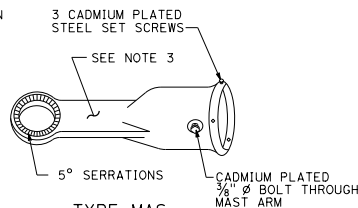
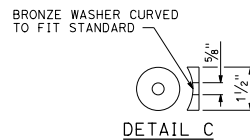


**TYPE MAT**  
**MAST ARM MOUNTING**  
For 2 NPS pipe, see Note 1.

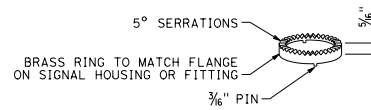


**TYPE MAS**  
**MAST ARM MOUNTING**  
For 2 NPS pipe, see Note 1.

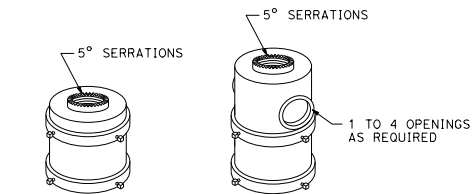
### SIGNAL SLIP FITTERS



**DETAIL C**



**LOCK RING**  
Use where locking ring is not integral  
With signal housing or fitting.

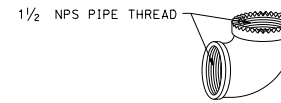


**FOR ONE MOUNTING**      **FOR MULTIPLE MOUNTINGS**

**TOP MOUNTINGS**  
For 4 NPS pipe, see Note 2.

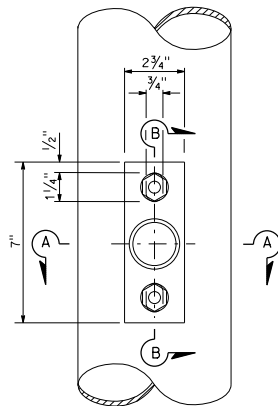
### NOTES:

1. After mast arm signal has been plumbed and secured, drill  $\frac{1}{8}$ " hole through mast arm tenon in line with slip fitter hole. Place a cadmium plated  $\frac{3}{8}$ "  $\phi$  galvanized bolt with washer under bolt head through hole and secure with washer, nut, and locknut. Seal openings between mast arm mountings and mast arm with mastic.
2. Threaded top mounted slip fitter openings shall be  $\frac{1}{2}$ " NPS. Serrations in fittings shall match those on bottom of signal heads or in lock ring. Top opening shall be offset when backplate is used.
3. Wireway shall have a cross section area of 0.95 square inch minimum. Minimum width of  $\frac{1}{2}$ ".

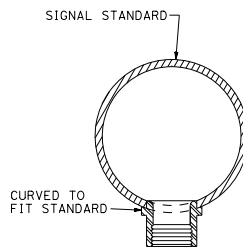


**SPECIAL 90° ELBOW**  
One for each signal head, except those  
With special slip fitter mounting

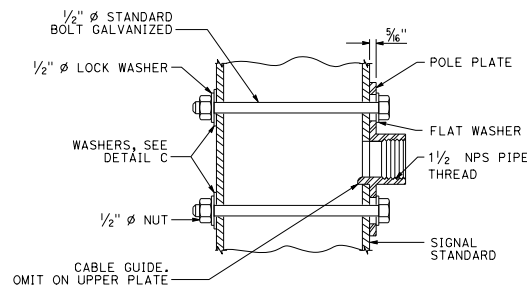
### MISCELLANEOUS MOUNTING HARDWARE



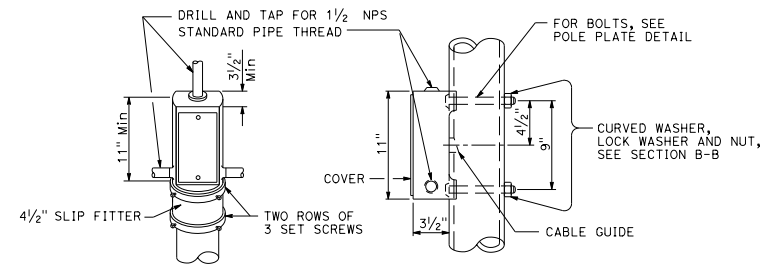
**TOP VIEW**



**SECTION A-A**



**SECTION B-B**



**TOP MOUNTING**

**SIDE MOUNTING**

### TERMINAL COMPARTMENT

### POLE PLATE FOR SIDE MOUNTED SIGNAL HEAD WITHOUT TERMINAL COMPARTMENT

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**ELECTRICAL SYSTEMS**  
**(SIGNAL HEAD MOUNTING)**  
NO SCALE

RSP ES-4D DATED JULY 21, 2017 SUPERSEDES STANDARD PLAN ES-4D  
DATED OCTOBER 30, 2015 - PAGE 443 OF THE STANDARD PLANS BOOK DATED 2015.

**REVISED STANDARD PLAN RSP ES-4D**

2015 REVISED STANDARD PLAN RSP ES-4D

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS

REGISTERED ELECTRICAL ENGINEER  
H. R. F.  
July 21, 2017  
PLANS APPROVAL DATE  
THE STATE OF CALIFORNIA OR ITS OFFICERS  
OR AGENTS SHALL NOT BE RESPONSIBLE FOR  
THE ACCURACY OR COMPLETENESS OF SCANNED  
COPIES OF THIS PLAN SHEET.

Hamid Zolfaghari  
No. E15636  
EXP. 12-31-17  
ELECTRICAL  
STATE OF CALIFORNIA

TO ACCOMPANY PLANS DATED \_\_\_\_\_